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PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/628,924
				Filing Date	July 28, 2003
				First Named Inventor	Yoshihiro KAWAMURA et al
				Group Art Unit	1764
				Examiner Name	BHAT, Nina Nmn
Sheet	1	of	1	Attorney Docket Number	03448/LH

### U.S. PATENT DOCUMENTS

Exam. Inits <sup>*</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

### FOREIGN PATENT DOCUMENTS

Exam Inits <sup>*</sup>	Cite No <sup>1</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
NB		JP	5-235510			09-10-1993		
NB		JP	8-508197			09-03-1996		
NB		JP	10-268343			10-09-1998		
NB		JP	10-284836			10-23-1998		

Examiner Signature	/Nina Bhat/	Date Considered	09/20/2006
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

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NB		JP	2-172538	A		07-04-1990		
NB		JP	6-233918	A		08-23-1994		
NB		JP	2000-506432	A		05-30-2000		
NB		JP	2002-18271	A		01-22-2002		
NB		WO	02/24322	A2		03-28-2002		

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		Group Art Unit	1764		
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Sheet	1	of	2	Attorney Docket Number	03448/LH

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## U.S. PATENT DOCUMENTS

Exam. Init <sup>1</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
NB		2004/0018129	A1	KAWAMURA et al	01-29-2004	
		2004-0148859	A1	KAWAMURA et al	08-05-2004	
		5,716,842	A	BAIER et al	02-10-1998	
		6,200,536	B1	TONKOVICH et al	03-13-2001	
		2003/0103878	A1	MORSE et al	06-05-2003	
		2003/0039874	A1	JANKOWSKI et al	02-27-2003	
		2003/0138685	A1	JANKOWSKI et al	07-24-2003	
		2004/0043273	A1	JANKOWSKI et al	03-04-2004	
		2004/0048128	A1	JANKOWSKI et al	03-11-2004	
		2004/0148858	A1	YAMAMOTO et al	08-05-2004	
		6,638,654	B2	JANKOWSKI et al	10-28-2003	
		2004/0025784	A1	KAWAMURA et al	02-12-2004	
		6,916,565	B2	SHIOYA	07-12-2005	
NB		6,824,905	B2	SHIOYA et al	11-30-2004	

## FOREIGN PATENT DOCUMENTS

Exam. Init <sup>1</sup>	Cite No <sup>1</sup>	Orig <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
NB		EP	1 022 059	A2	BIOMETRA BIOMEDIZINISCHE ANALYTIK GMBH	07-26-2000		
		DE	199 20 786	A1	DBB FUEL CELL ENGINES GMBH	11-16-2000		
		DE	100 10 400	A1	MANNESMANN AG	09-06-2001		
		WO	2004/030605	A1	UNIVERSITY OF CALIFORNIA	04-15-2004		
		WO	00/45457	A1	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	08-03-2000		
NB		WO	03/082460	A1	CASIO COMPUTER CO. LTD	10-09-2003		

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PTO/SB/088 (08-00)

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OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
NB		Derwent Abstract Accession No. 2003-407946/39, Class J04 L03, JP 2003-045459 A (Casio Computer Co. LTD), February 14, 2003.			
NB		Derwent Abstract Accession No. 2003-581644/55, Class E36 L03, JP 2003-168685 A (Casio Computer Co. LTD), June 13, 2003.			
NB		POSER, S. et al. "Chip elements for fast thermocycling" Sensors and Actuators A, Elsevier Sequoia S.A., Lausanne, CH, Vol. 62, no. 1-3, July 1 1997, pages 672-675, XP004119707, ISSN: 0924-4247.			
NB		Srinivasan R. et al., "Micromachined Reactors For Catalytic partial Oxidation Reactions" Aiche Journal, New York, NY US, Vol. 43, No. 11, November 1997, pages 3059-3069, XP000669285, ISSN: 0001-1541.			
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